



Delete the sequence listing originally found at pp. 64-65, and replace it with the

following:

SEQUENCE LISTING

<110> Biopolo s.c.r.l.
<120> YEAST STRAINS FOR THE PRODUCTION OF LACTIC ACID
<130> 2027.547000
<140> 09/508,277
<141> 2000-06-29
<150> ITALY MI97A002080
<151> 1997-12-09
<150> PCT/EP98/05758
<151> 1998-09-11
<160> 12
<170> PatentIn version 3.0
<210> 1
<211> 27
<212> DNA
<213> Artificial/Unknown
<220>
<221> misc_feature
<222> ()..()
<223> Oligomer anneals to inactivated ampicillin resistance gene of
plasmid pALTER-land restores ampicillin resistance to mutant
strand after mutagenesis reaction

<400> 1
gttgccattg ctgcaggcat cgtggtg 27

<210> 2
<211> 29
<212> DNA
<213> Artificial/Unknown
<220>
<221> misc_feature
<222> ()..()
<223> Oligomer anneals upstream of Bos taurus LDH gene in 5'UTR and
creates XbaI restriction site 11 bp before start codon after
mutagenesis reaction

<400> 2
cctttagggt ctagatccaa gatggcaac 29

<210> 3
<211> 27
<212> DNA
<213> Artificial/Unknown
<220>
<221> misc_feature
<222> ()..()
<223> Oligomer anneals to 5' end of L. casei LDH gene and introduces a
NcoI restriction site which changes the GTG start codon to an ATG

start codon

<400> 3
ccatggcaag tattacggat aaggatc 27

<210> 4
<211> 24
<212> DNA
<213> Lactobacillus casei
<220>
<221> misc_feature
<222> ()..()
<223> Antisense oligomer anneals 8 bp upstream of 3' end of L. casei
LDH gene

<400> 4
ctatcactgc agggtttcga tgtc 24

<210> 5
<211> 59
<212> DNA
<213> Artificial/Unknown
<220>
<221> misc_feature
<222> ()..()
<223> Oligomer complementary to S. cerevisiae PDC1 and anneals to
loxP -KanSRD-loxP cassette

<400> 5
ttctactcat aacctcacgc aaaataacac agtcaaatca cagctgaagc ttcgtacgc 59

<210> 6
<211> 62
<212> DNA
<213> Artificial/Unknown
<220>
<221> misc_feature
<222> ()..()
<223> Antisense oligomer complementary to S. cerevisiae PDC1 and anneal
to loxP-KanSRD-loxP cassette

<400> 6
aatgcttata aaactttaac taataattag agattaaatc gcataggcca ctagtggatc 60

tg 62

<210> 7
<211> 59
<212> DNA

<213> Artificial/Unknown
 <220>
 <221> misc_feature
 <222> ()..()
 <223> Oligomer complementary to S. cerevisiae PDC5 and anneals to
 loxP -KanSRD-loxP cassette

 <400> 7
 atcaatctca aagagaacaa cacaatacaa taacaagaag cagctgaagc ttcgtacgc 59

 <210> 8
 <211> 62
 <212> DNA
 <213> Artificial/Unknown
 <220>
 <221> misc_feature
 <222> ()..()
 <223> Antisense oligomer complementary to S. cerevisiae PDC5 and anneal to
 to loxP-KanSRD-loxP cassette

 <400> 8
 aaaatacaca aacgttgaat catgagtttt atgttaatta gcataggcca ctagtggatc 60
 tg 62

 <210> 9
 <211> 59
 <212> DNA
 <213> Artificial/Unknown
 <220>
 <221> misc_feature
 <222> ()..()
 <223> Oligomer complementary to S. cerevisiae PDC6 and anneals to
 loxP-KanSRD-loxP cassette

 <400> 9
 taaataaaaa acccacgtaa tatagcaaaa acatattgcc cagctgaagc ttcgtacgc 59

 <210> 10
 <211> 62
 <212> DNA
 <213> Artificial/Unknown
 <220>
 <221> misc_feature
 <222> ()..()
 <223> Antisense oligomer complementary to S. cerevisiae PDC6 and anneals
 to loxP-KanSRD-loxP cassette

 <400> 10
 tttatttgca acaataattc gtttgagtac actactaatg gcataggcca ctagtggatc 60

tg

62

<210> 11
<211> 59
<212> DNA
<213> Artificial/Unknown
<220>
<221> misc_feature
<222> ()..()
<223> Oligomer complementary to S. cerevisiae PDC2 and anneals to
loxP-KanSRD-loxP cassette

<400> 11
acgcaacttg aattggcaaa atgggcttat gagacgttcc cagctgaagc ttcgtacgc 59

<210> 12
<211> 62
<212> DNA
<213> Artificial/Unknown
<220>
<221> misc_feature
<222> ()..()
<223> Antisense oligomer complementary to S. cerevisiae PDC2 and anneals
to loxP-KanSRD-loxP cassette

<400> 12
agcctgtgtt accaggttaag tgtaagttat tagagtctgg gcataggcca ctagtggatc 60

tg

62